

ENGINEERING CHANGE NOTICE

0035790

1. ECN 105403

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Proj.
ECN

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input checked="" type="checkbox"/> Temporary <input type="checkbox"/> Supersedure <input type="checkbox"/> Discovery <input type="checkbox"/> Cancel/Void <input type="checkbox"/>		3. Originator's Name, Organization, MSIN, and Telephone No. DH Shuford, PUREX Systems & Technology, S6-01, 3-5336		4. Date June 6, 1989																													
		5. Project Title/No./Work Order No. KP PUREX Chemical Processing		6. Bldg./Sys./Fac. No. 202-A																													
		8. Document Number Affected (include rev. and sheet no.) SD-HS-SAR-001, Rev 5		9. Related ECN No(s) 105276																													
				10. Related PO No. N/A																													
11a. Modification Work <input type="checkbox"/> Yes (fill out Blk 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)		11b. Work Package Doc. No. N/A		11c. Complete Installation Work N/A Cog. Engineer Signature & Date																													
				11d. Complete Restoration (Temp. ECN only) N/A Cog. Engineer Signature & Date																													
12. Description of Change Revise ECN 105276, Pages 3, 4, and 5 as follows: Change 1: Page 2, Change 2, 3rd Bullet and Page 4, Change 2, 1st Bullet: Replace "Chief, Nuclear and Facility Safety" with "Safety Duty Officer." Change 2: Page 3, Change 2, 5th Bullet and Page 4, change 2, 5th Bullet: Replace "Defense Production" with "Operations." Change 3: Page 5 Change 10: o Replace "11.3.3.4" with "11.3.4.4" o Revise the bracketed Exceptions statement as follows: [Exceptions: 1) Tritium is not included. 2) Interim Concentration Values (ICV) have been established for specific radionuclides contained in the specific waste streams and will be followed until Best Available Technology (BAT) is implemented.] Move the sentence "In all cases ALARA will be practiced." to the end of the paragraph.																																	
13a. Justification (mark one) Criteria Change <input checked="" type="checkbox"/> Design Improvement <input type="checkbox"/> Environmental <input type="checkbox"/> As-Found <input type="checkbox"/> Facilitate Const. <input type="checkbox"/> Const. Error/Omission <input type="checkbox"/> Design Error/Omission <input type="checkbox"/>		13b. Justification Details These revisions are necessary to incorporate DOE-RL comments regarding ECN 105276 as referenced in Letter, J. R. Hunter to President, Westinghouse Hanford Company, "Transmittal of Engineering Change Notice #105276, Revisions to PUREX Final Safety Analysis Report, Chapter 11.0, Operational Safety Requirements," June 6, 1989. Additional justification details are given on Page 3 of 3.																															
14. Distribution (include name, MSIN, and no. of copies)				RELEASE STAMP																													
<table border="0"><tr><td>D. K. Bailey</td><td>S6-08</td><td>E. E. Leitz</td><td>R3-02</td></tr><tr><td>J. H. Ellis</td><td>S5-66</td><td>M. A. Payne</td><td>S5-66</td></tr><tr><td>R. A. Eschenbaum</td><td>S5-66</td><td>D. H. Shuford</td><td>S6-02</td></tr><tr><td>R. D. Fox</td><td>S5-80</td><td>S. T. Smith</td><td>S1-53</td></tr><tr><td>W. H. Harty, Jr.</td><td>S5-80</td><td>R. W. Szmpruch</td><td>S6-05</td></tr><tr><td>P. F. Kison</td><td>S5-66</td><td>R. J. Thompson</td><td>S6-01</td></tr><tr><td>J. R. Knight</td><td>R2-52</td><td>R. L. Walser</td><td>S5-80</td></tr></table>				D. K. Bailey	S6-08	E. E. Leitz	R3-02	J. H. Ellis	S5-66	M. A. Payne	S5-66	R. A. Eschenbaum	S5-66	D. H. Shuford	S6-02	R. D. Fox	S5-80	S. T. Smith	S1-53	W. H. Harty, Jr.	S5-80	R. W. Szmpruch	S6-05	P. F. Kison	S5-66	R. J. Thompson	S6-01	J. R. Knight	R2-52	R. L. Walser	S5-80	<div>OFFICIAL RELEASE BY WHC DATE JUN 26 1989 Sta # 1</div>	
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1. ECN (use no. from pg. 1)
10540315. Design Verification
Required☐ Yes
☒ No

16. Cost Impact

ENGINEERING

Additional ☐ \$ N/A
Savings ☐ \$ N/A

CONSTRUCTION

Additional ☐ \$ N/A
Savings ☐ \$ N/A

17. Schedule Impact (days)

Improvement ☐ N/A
Delay ☐ N/A

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input checked="" type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision

Document Number/Revision

Document Number/Revision

WHC-CR-5-24, Add. I, Rev 2/89

20. Approvals

Signature

Date

Signature

OPERATIONS AND ENGINEERING

Cog./Project Engineer David H. Stanford 6/6/89Cog./Project Engr. Mgr. R. J. Thompson 6/6/89QA George A. Hagner 6/7/89Safety [Signature] 6/7/89

Security _____

Proj. Prog./Dept. Mgr. _____

Def. React. Div. _____

Chem. Proc. Div. _____

Def. Wst. Mgmt. Div. _____

Adv. React. Dev. Div. _____

Proj. Dept. _____

Environ. Div. DB Hogue 6-7-89

IRM Dept. _____

Facility Rep. (Ops) [Signature] 6/7/89

Other _____

ARCHITECT-ENGINEER

PE _____

QA _____

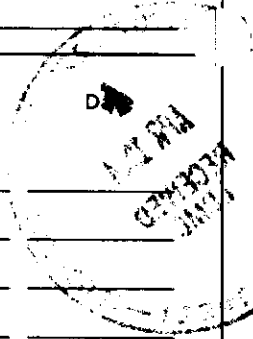
Safety _____

Design _____

Other _____

DEPARTMENT OF ENERGY

ADDITIONAL



Change 1 is necessary to reflect the proper DOE-RL contact point for Operational Safety Requirement violations.

Change 2 is necessary to reflect the revision of the DOE-RL division title.

Change 3

The 1st Bullet corrects a typographical error in the original ECN.

The 2nd bullet is required to clarify the status of Interim Concentration Values for selected radioactive species in PUREX liquid effluents. These values have been established and are documented in WHC-CM-7-5, "Environmental Compliance Manual."

The 3rd Bullet is required to clarify the parenthetical "Exceptions" expression in the first paragraph of Section 11.3.4.4. The exceptions delineated are for tritium control and for the use of Interim Concentration Values until best available technology is implemented. The practice of ALARA is not considered an exception and therefore properly belongs outside the brackets of the "Exceptions" expression.